

Material	Pounds	Gallons
Water	72.5	8.7
Dowicil 75	2.0	0.17
Tamol 731 25%	9.0	7.00
Propylene Glycol	60.0	1.00
Ethylene Glycol	22.0	2.25
Carbitol Solvent	18.0	2.25
Foamaster G	2.0	0.25
Tipure R-900	270.0	8.00
Hexylene glycol	10.0	1.31
Aerosol OT 75% (aq)	2.0	0.50
Letdown		
Rhoplex AC 490	433.0	49.50
Foamaster G	3.0	0.39
2.5% aqueous solution of S-21	178.0	20.75
TOTAL	1080.5	102.68

The foregoing paint has a unexpected improvement in flow and leveling properties as well as gloss compared to a similar paint formulation viscosified with hydroxyethyl cellulose.

EXAMPLE 4

The pH of a fermentation beer sample (31 liters) prepared as described in Example 1 which contains 1.68 g S-21 per 100 ml of beer is adjusted to 6.3 by addition of concentrated HCl. Glyoxal (40%) is added to a glyoxal level of 3.0% based on weight of gum. After thorough mixing the beer is heated to 80° C., held for 3 minutes at this temperature and then cooled to room temperature. The gum in the pasteurized beer is precipitated by adding 3 volumes of isopropanol, dried in a steam drier at 71° C. and milled. Three grams of the milled gum and 3 grams of a control sample from the same beer treated similarly except omitting the glyoxal treatment are

sprinkled evenly over the surface of 297 ml distilled water contained in a 400 ml beaker with a stirrer in place. After 30 seconds the stirrer, which rotates at about 800 rpm, is switched on for one minute. The stirring is then stopped and the solution is screened through a 20-mesh (U.S. Standard) screen, and the wet material remaining on the screen is weighed. The following results are obtained:

Sample	Weight of Material on Screen (g)
Glyoxal treated	0
Control	22.8

What is claimed is:

1. A process for producing Heteropolysaccharide S-21 containing from about 30% to about 37% mannose, from about 26% to about 32% glucose, from about 19% to about 23% galactose and from about 15.3% to about 18.8% glucuronic acid and having an acetyl content of from about 5.1% to about 6.3% and a pyruvate content of from about 4.5% to about 5.4% that comprises growing the organism ATCC 31314 in an aqueous nutrient medium under submerged aerobic conditions and recovering said Heteropolysaccharide S-21.

2. A process according to claim 1 wherein the pH is controlled at from about 6 to about 7.

3. A process according to claim 1 wherein the temperature is controlled at from about 25° C. to about 35° C.

4. A fermentation beer containing from about 1.5% to about 2.1% of heteropolysaccharide S-21.

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